

ITEM CAPTURE TRANSACTION DATA ARCHIVE IMAGE DATA ARCHIVE RESEARCH ENGINE

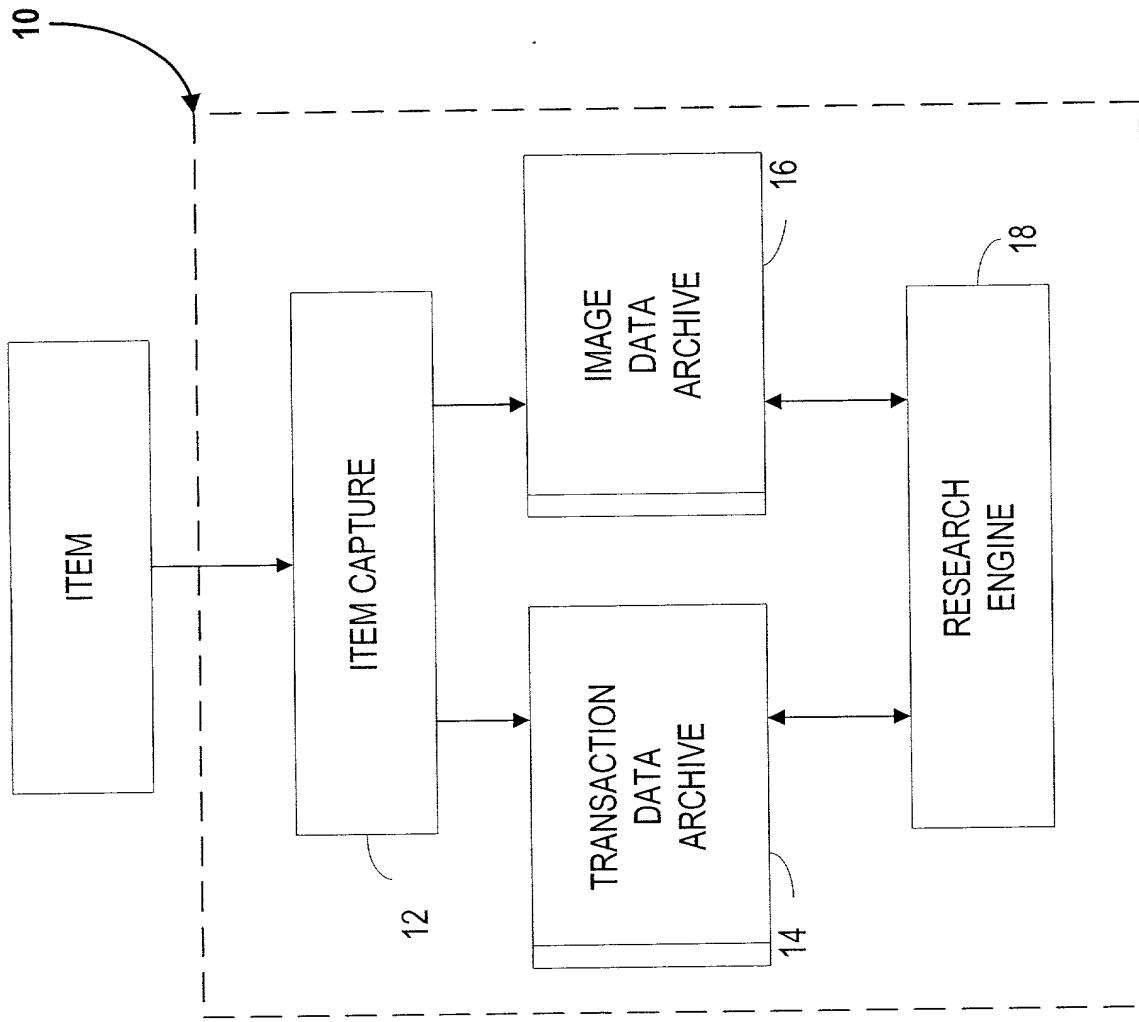


FIG. 1

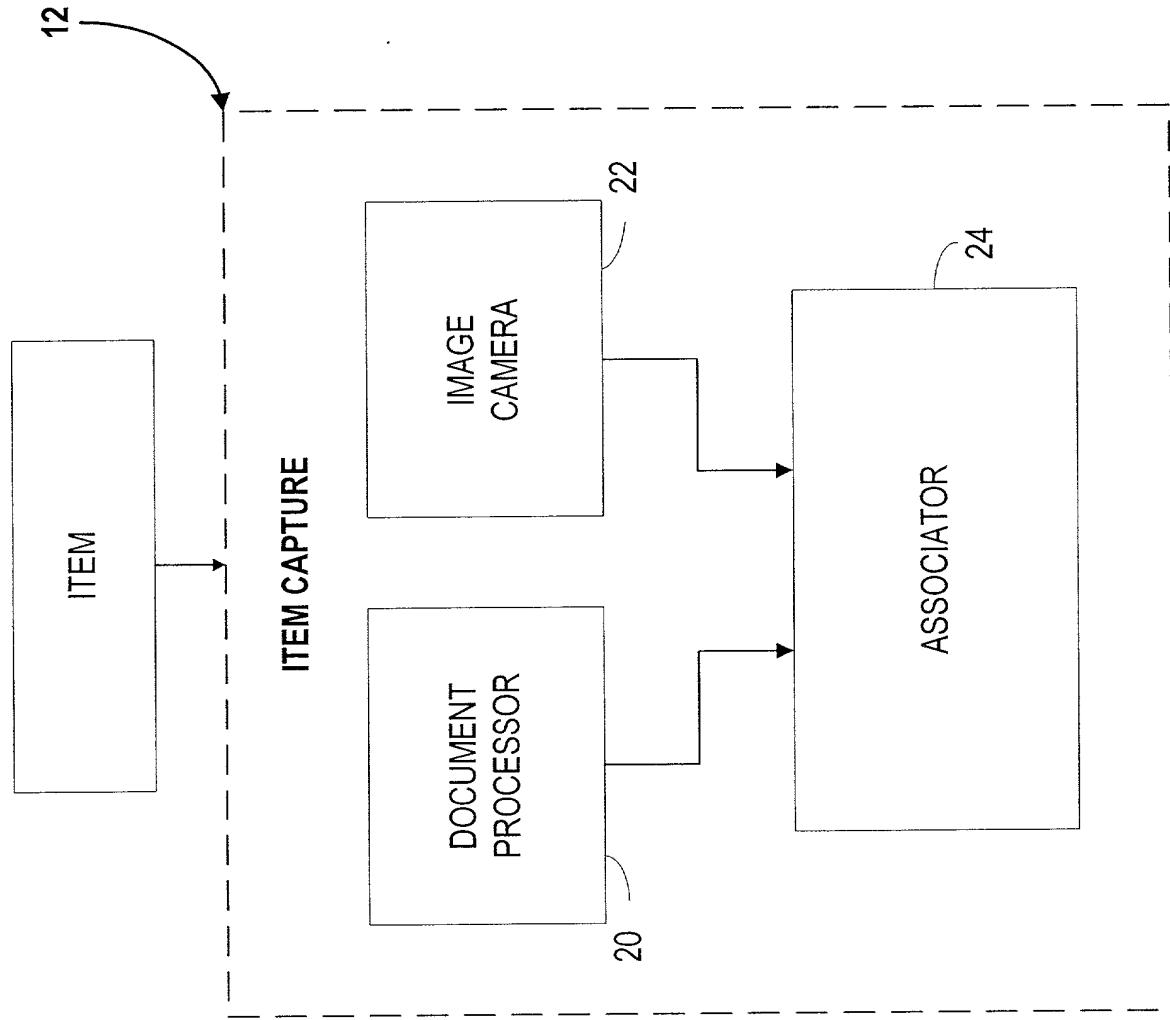


FIG. 2

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TRANSACTION DATA ARCHIVE

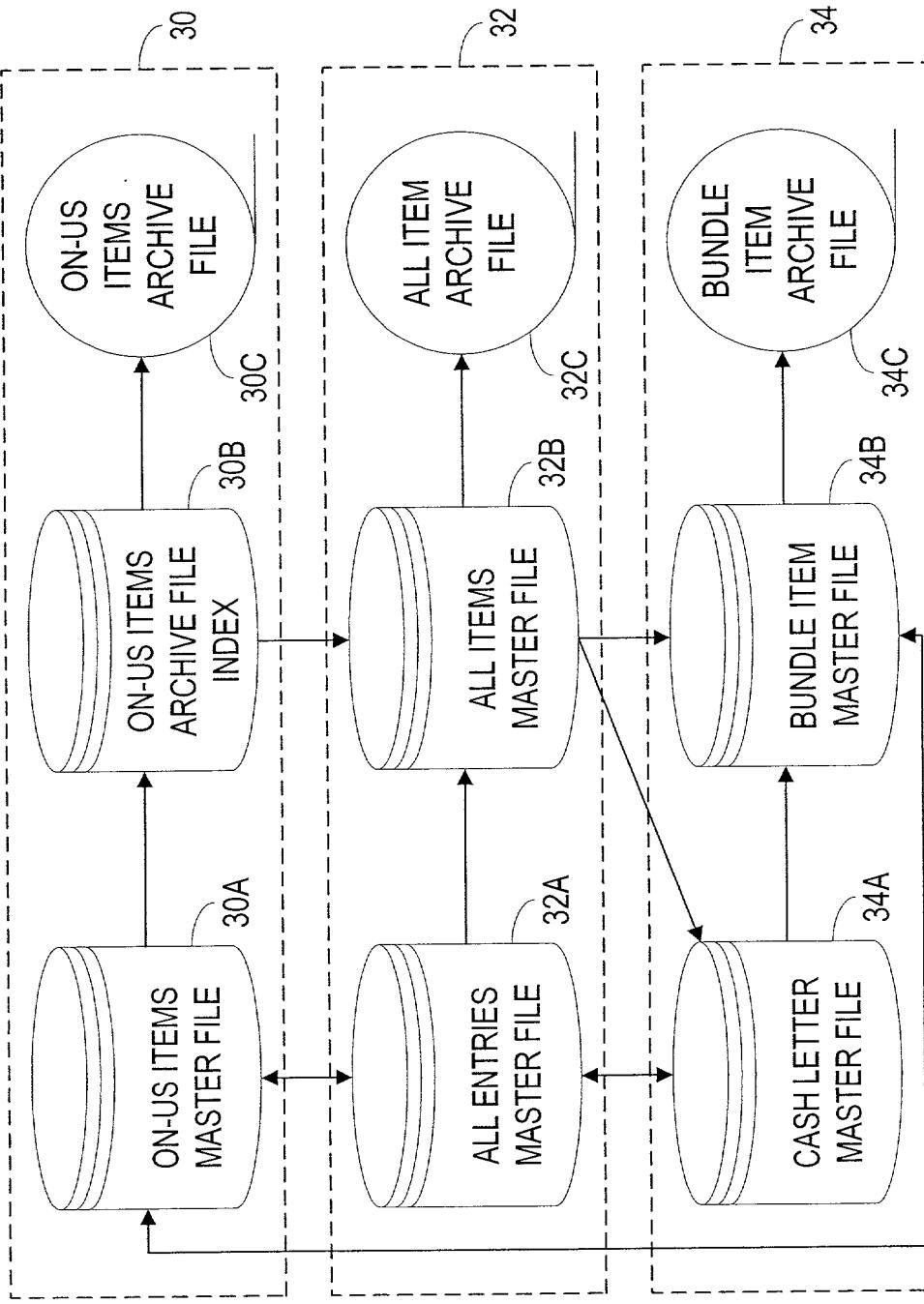


FIG. 3

ON-US ITEMS MASTER FILE	30A
BANK ID NUMBER	41
PAYOR ACCOUNT NUMBER	42
SEQUENCE NUMBER	43
SERIAL NUMBER	44
AMOUNT	45
ROUTING/ TRANSIT NUMBER	46
PROCESS CONTROL FIELD	47
PAYEE ACCOUNT NUMBER	48
TRANSACTION CODE	49
CREDIT ACCOUNT CODE	50
IMPORT SOURCE	51
POSTING DATE	52

FIG. 4

ON-US ITEMS ARCHIVE FILE INDEX	30B
BANK ID NUMBER	55
PAYOR ACCOUNT NUMBER	56
POSTING DATE	57

FIG. 5

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01 AEMF-RECORD.
05 AEMF-KEY.
    10 AEMF-KEY-APPL-SITE          PIC X(03).
        88 AEMF-KEY-APPL-SITE-CHR  VALUE 'CHR'.
        88 AEMF-KEY-APPL-SITE-CVL  VALUE 'CVL'.
        88 AEMF-KEY-APPL-SITE-RAL  VALUE 'RAL'.
        88 AEMF-KEY-APPL-SITE-COL  VALUE 'COL'.
        88 AEMF-KEY-APPL-SITE-ATL  VALUE 'ATL'.
    10 AEMF-KEY-APPL-DATE          PIC X(02).
        20 AEMF-KEY-APPL-DATE-YYYY  PIC X(01).
        20 AEMF-KEY-APPL-DATE-MM   PIC X(01).
        20 AEMF-KEY-APPL-DATE-DD   PIC X(01).
    10 AEMF-KEY-CAPT-SORT         PIC X(01).
    10 AEMF-KEY-CAPT-ENTRY-NUMB  PIC X(02).
    10 AEMF-KET-RECD-NUMB         PIC X(03) COMP-3.

05 AEMF-ENTRY-DATA.
    10 AEMF-ENTRY-CAPT-DATE         PIC X(02).
        20 AEMF-ENTRY-CAPT-DATE-YYYY  PIC X(01).
        20 AEMF-ENTRY-CAPT-DATE-MM   PIC X(01).
        20 AEMF-ENTRY-CAPT-DATE-DD   PIC X(01).
    10 AEMF-ENTRY-CAPT-CYCLE        PIC X(01).
    10 AEMF-ENTRY-LOW-SEQU          PIC X(06).
    10 AEMF-ENTRY-HGH-SEQU          PIC X(06).
    10 AEMF-ENTRY-PASS-NUM          PIC X(01).
    10 AEMF-ENTRY-STR-TYPE         PIC X(01).
    10 AEMF-ENTRY-SUBSET-ID        PIC X(03).
    10 AEMF-ENTRY-NUMB-BLOCKS      PIC 9(07) COMP-3.
    10 AEMF-ENTRY-NUMB-BATCHS      PIC 9(07) COMP-3.
    10 AEMF-ENTRY-NUMB-ITEMS       PIC 9(07) COMP-3.
    10 FILLER                      PIC X(10).

05 AEMF-BLOCK-DATA OCCURS 0 TO 20 TIMES DEPENDING ON
AEMF-ENTRY-NUMB-BLOCKS.
    10 AEMF-BLOCK-SEQU-NUMB        PIC X(06).
    10 AEMF-BLOCK-AMOUNT           PIC X(05).
    10 AEMF-BLOCK-CAS-TYPE         PIC X(02).
    10 AEMF-BLOCK-TRACER-RT        PIC X(04).
    10 AEMF-BLOCK-TRACER-ACCT      PIC X(07).
    10 AEMF-BLOCK-NUMB-ITEMS       PIC 9(06) COMP-3.
    10 AEMF-BLOCK-AMOUNT-STATUS    PIC X(01).
        88 AEMF-BLOCK-AMOUNT-RECD-INBAL  VALUE 'I'.
        88 AEMF-BLOCK-AMOUNT-RECD-OUTBAL  VALUE 'O'.

    10 FILLER                      PIC X(09).

05 AEMF-BATCH-DATA OCCURS 0 TO 1000 TIMES DEPENDING ON
AEMF-ENTRY-NUMB-BATCHS.
    10 AEMF-BATCH-BLOCK-SEQU-NUMB  PIC X(06).
    10 AEMF-BATCH-SEQU-NUMB        PIC X(06).
    10 AEMF-BATCH-AMOUNT           PIC X(05).
    10 AEMF-BATCH-NUMB-ITEMS       PIC 9(06) COMP-3.
    10 AEMF-BATCH-AMOUNT-STATUS    PIC X(01).
        88 AEMF-BATCH-AMOUNT-RECD-INBAL  VALUE 'I'.
        88 AEMF-BATCH-AMOUNT-RECD-OUTBAL  VALUE 'O'.
    10 FILLER                      PIC X(09).

```

FIG. 6

AEMF - All Entries Master File

<u>AEMF Key</u>		<u>Sequ Number Range</u>	<u>Data Records</u>
ATL 19980102 76 9998 001	String Header	76000008 76000219	76000008 Block Ticket 76000011 Batch Ticket
ATL 19980102 77 9999 001	String Header	77000220 77000330	77000220 Block Ticket 77000223 Batch Ticket

FIG. 7

05 AIMF-KEY.

10	AIMF-KEY-APPL-SITE	PIC X(03).
88	AIMF-KEY-APPL-SITE-CHR	VALUE 'CHR'.
88	AIMF-KEY-APPL-SITE-CVL	VALUE 'CVL'.
88	AIMF-KEY-APPL-SITE-RAL	VALUE 'RAL'.
88	AIMF-KEY-APPL-SITE-COL	VALUE 'COL'.
88	AIMF-KEY-APPL-SITE-ATL	VALUE 'ATL'.
10	AIMF-KEY-APPL-DATE.	
20	AIMF-KEY-APPL-DATE-YYYY	PIC X(02).
20	AIMF-KEY-APPL-DATE-MM	PIC X(01).
20	AIMF-KEY-APPL-DATE-DD	PIC X(01).
10	AIMF-KEY-ENTRY	PIC X(02).
10	AIMF-KEY-LAST-SEQU.	
20	AIMF-KEY-LAST-SEQU-PREFX	PIC X(01).
20	AIMF-KEY-LAST-SEQU-SORT	PIC X(01).
20	AIMF-KEY-LAST-SEQU-NUMB	PIC X(04).
10	AIMF-KEY-RECD-NUMB	PIC 9(05) COMP-3.
10	AIMF-KEY-RECD-TYPE	PIC X(01).
88	AIMF-KEY-RECD-CONT	VALUE 'C'.
88	AIMF-KEY-RECD-END	VALUE 'E'.

05 AIMF-BATCH-DATA.

10	AIMF-BATCH-CAPT-DATE-YYYYMMDD,	
20	AIMF-BATCH-CAPT-DATE-YYYY	PIC X(02).
20	AIMF-BATCH-CAPT-DATE-MM	PIC X(01).
20	AIMF-BATCH-CAPT-DATE-DD	PIC X(01).
10	AIMF-BATCH-CAPT-CYCLE	PIC X(01).
10	AIMF-BATCH-NUMB-ITEMS	PIC 9(07) COMP-3.

05 AIMF-ITEM-DATA.

10	AIMF-ITEM	
	Occurs 0 to 350	
	Depending on AIMF-BATCH-NUMB-ITEMS.	
15	AIMF-ITEM-REC-SEQUENCE	PIC X(06).
15	AIMF-ITEM-REC-SERIAL	PIC X(05).
15	AIMF-ITEM-REC-TRAN-TYPE	PIC X(02).
88	AIMF-ITEM-TRAN-ONUS-BLOCK	VALUE X'80F5' X'82F5' X'C0F5'.
88	AIMF-ITEM-TRAN-ONUS-BATCH	VALUE X'80F4' X'82F4' X'88F4' X'C0F4'.
88	AIMF-ITEM-TRAN-ONUS-CR	VALUE X'1400' X'1C00'.
88	AIMF-ITEM-TRAN-ONUS-BTEC-CR	VALUE X'1600' X'1E00'.
88	AIMF-ITEM-TRAN-ONUS-DB	VALUE X'1000' X'1800' X'5000'.
88	AIMF-ITEM-TRAN-ONUS-BTEC-DB	VALUE X'1200' X'1A00'.
88	AIMF-ITEM-TRAN-TRAN-DB	VALUE X'0000' X'0800' X'2000' X'4000'.
88	AIMF-ITEM-TRAN-TRAN-BTEC-DB	VALUE X'0200' X'0A00' X'2200' X'2A00'.
15	AIMF-ITEM-RT	PIC X(04).
15	AIMF-ITEM-ACCT	PIC X(07).
15	AIMF-ITEM-PC	PIC X(03).
15	AIMF-ITEM-AMT	PIC X(05).
15	AIMF-ITEM-CPUID	PIC X(02).
15	AIMF-ITEM-CPCS-TYPE	PIC X(01).
15	AIMF-ITEM-USER	PIC X(01).
15	AIMF-ITEM-POCKET	PIC X(01).
15	AIMF-ITEM-CR-RT	PIC X(04).
15	AIMF-ITEM-CR-ACCT	PIC X(07).
15	AIMF-ITEM-CR-SEQU	PIC X(06).
15	AIMF-ITEM-AMT-STATUS	PIC X(01).
88	AIMF-ITEM-AMT-OK	VALUE 'E'.
15	FILLER	PIC X(05).
15	AIMF-ITEM-DATA-TYPE	PIC X(01).
88	AIMF-ITEM-NUMB-NONE	VALUE 'N'.
88	AIMF-ITEM-NUMB-ONUS	VALUE 'O'.
88	AIMF-ITEM-NUMB-TRANSIT	VALUE 'T'.
15	AIMF-ITEM-NUMB-DATA	PIC X(23).
15	AIMF-ITEM-ONUS-DATA REDEFINES AIMF-ITEM-NUMB-DATA.	
20	AIMF-ONUS-POST-ACCT	PIC 9(15) COMP-3.
20	AIMF-ONUS-EXTR-ACCT	PIC 9(15) COMP-3.
20	FILLER	PIC X(07).
15	AIMF-ITEM-TRANSIT-DATA REDEFINES AIMF-ITEM-NUMB-DATA.	
20	AIMF-TRANS-BUNDLE-DATE	PIC X(04).
20	AIMF-TRANS-BUNDLE-TIME	PIC X(08).
20	AIMF-TRANS-BUNDLE-AMT	PIC 9(09)V99 COMP-3.
20	AIMF-TRANS-BUNDLE-ENDPT	PIC 9(09) COMP-3.

FIG.8

AIMF - All Items Master File

AIMF Object Records

ATL	19980102 9998	19980102 0076000011	01 ..				
	76000008 Block Ticket	76000008 Batch Ticket	76000013 On-Us Credit	76000014 On-Us Debit			
	...	76000214 On-Us Debit	76000215 Transit Debit				
	76000216 On-Us Credit	76000217 Transit Debit	76000218 On-Us Debit				
ATL	19980102 9999	19980102 0076000223	01 ..				
	77000220 Block Ticket	77000223 Batch Ticket	77000225 On-Us Credit	77000226 On-Us Debit			
	77000227 Transit Debit ..		77000327 Transit Debit				
	77000328 On-Us Credit	77000329 Transit Debit	77000330 On-Us Debit				

FIG. 9

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01  CLMF-RECORD .
05  CLMF-KEY .
    10  CLMF-KEY-CL-PROC-SITE          PIC      X(03) .
    10  CLMF-KEY-CL-PROC-DATE         PIC      9(09)   COMP-3 .
    10  CLMF-KEY-CL-END-POINT        PIC      9(09)   COMP-3 .
    10  CLMF-KEY-CL-AMNT           PIC      9(13)V99 COMP-3 .

    10  CLMF-KEY-CL-TIME            PIC      9(07)   COMP-3 .

05  CLMF-DATA .
    10  CLMF-KEY-SYST-DATE          PIC      9(09)   COMP-3 .
    10  CLMF-KEY-ACLS-NUMB         PIC      9(03)   COMP-3 .
    10  CLMF-CL-ABA-NUMBER        PIC      9(09)   COMP-3 .
    10  CLMF-CL-DUE-FROM-ACCT     PIC      9(15)   COMP-3 .
    10  CLMF-CL-NUMBER-BUNDLES    PIC      9(05)   COMP-3 .
    10  CLMF-CL-NUMBER-ITEMS      PIC      9(09)   COMP-3 .
    10  CLMF-CL-AVAIL-CODE       PIC      X(01) .
    10  CLMF-CL-AVAIL-DATE       PIC      9(09)   CMOP-3 .
    10  FILLER                   PIC      X(14) .

05  CLMF-CL-BUNDLE-DATA OCCURS 0 TO 400 TIMES DEPENDING ON
    CLMF-CL-NUMBER-BUNDLES .
    10  CLMF-BUNDLE-AMNT          PIC      9(13)V99 COMP-3 .
    10  CLMF-BUNDLE-CPCS-NUMB     PIC      9(03)   COMP-3 .
    10  CLMF-BUNDLE-ACLS-NUMB     PIC      9(03)   COMP-3 .
    10  CLMF-BUNDLE-NUMB-ITEM     PIC      9(07)   COMP-3 .
    10  CLMF-BUNDLE-HOLD-OVER     PIC      X(01) .

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FIG. 10

CLMF - Cash Letter Master File

CLMF Key

ATL 19980102 12345678 99,999,999.99 hhmmss

Data Records

99,999,999,999.99
99,999,999,999.99

ATL 19980102 12345678 99,999,999.99 hhmmss

99,999,999,999.99
99,999,999,999.99

Fig. 11

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01  BIMF-RECORD.
05  BIMF-KEY.
    10  BIMF-VSM-KEY-APPL-SITE      PIC X(03).
        88  BIMF-VSM-KEY-APPL-SITE-CHR  VALUE 'CHR'.
        88  BIMF-VSM-KEY-APPL-SITE-CVL  VALUE 'CVL'.
        88  BIMF-VSM-KEY-APPL-SITE-RAL  VALUE 'RAL'.
        88  BIMF-VSM-KEY-APPL-SITE-COL  VALUE 'COL'.
        88  BIMF-VSM-KEY-APPL-SITE-ATL  VALUE 'ATL'.

    10  BIMF-VSM-KEY-APPL-DATE.
        20  BIMF-VSM-KEY-APPL-DATE-YYYY  PIC X(02).
        20  BIMF-VSM-KEY-APPL-DATE-MM   PIC X(01).
        20  BIMF-VSM-KEY-APPL-DATE-DD   PIC X(01).

    10  BIMF-VSM-KEY-END-POINT      PIC 9(08)
    10  BIMF-VSM-KEY-BUNDLE-AMNT    PIC 9(13)V9
    10  BIMF-VSM-KEY-BUNDLE-TIME    PIC 9(07)
    10  BIMF-VSM-KEY-INT-SEQ-NUMB  PIC 9(05)
    10  BIMF-VSM-KEY-RECD-NUMB    PIC 9(05)
    10  BIMF-VSM-KEY-RECD-TYPE    PIC X(01).
        88  BIMF-VSM-KEY-RECD-CONT  VALUE 'C'.
        88  BIMF-VSM-KEY-RECD-END   VALUE ''.

05  BIMF-RECORD-DATA.
    10  BIMF-VSM-BUNDLE-MCRE-SEQ    PIC X(02).
    10  BIMF-VSM-BUNDLE-NUMB-ITEMS  PIC 9(07)
    10  BIMF-VSM-RECORD-ITEMS      PIC 9(07)
    10  BIMF-VSM-ENTRY            PIC X(02).
    10  BIMF-VSM-ITEM-CYCLE       PIC X(01).
    10  BIMF-VSM-PASS             PIC X(01).
    10  BIMF-VSM-PASS-POCKET     PIC X(04).
    10  BIMF-VSM-STRING-TYPE     PIC X(01).
    10  BIMF-VSM-SUBSET-ID       PIC X(03).
    10  FILLER                   PIC X(10).

05  BIMF-VSM-ITEM-DATA.
    10  BIMF-VSM-ITEM-DATA OCCURS 0 TO 550 TIMES
        DEPENDING ON BIMF-VSM-RECORD-ITEMS.
        15  BIMF-VSM-REC-ITEM-TRAN-TYPE  PIC X(02).
        15  BIMF-VSM-REC-ITEM-SEQUENCE  PIC X(06).
        15  BIMF-VSM-REC-ITEM-SERIAL   PIC X(05).
        15  BIMF-VSM-REC-ITME-RETURN   PIC X(01).
        15  BIMF-VSM-REC-ITEM-RT      PIC X(04).
        15  BIMF-VSM-REC-ITEM-ACCT    PIC X(07).
        15  BIMF-VSM-REC-ITEM-PC      PIC X(03).
        15  BIMF-VSM-REC-ITEM-AMT     PIC X(05).
        15  BIMF-VSM-REC-ITEM-BUNDLE-SEQU  PIC X(02).
        15  BIMF-VSM-REC-ITEM-AMT-STATUS PIC X(01).
        88  BIMF-VSM-REC-ITEM-ITEM-AMT-OK VALUE ''.
        15  FILLER                   PIC X(14).

```

FIG. 12

BIMF - Bundle Item Master File

BIMF Key

ATL 19980102 12345678 99,999,999.99 hhmmss 1234500001	Data Records
	76000215 Transit Debit
	76000217 Transit Debit
ATL 19980102 12345678 99,999,999.99 hhmmss 1234500001	77000227 Transit Item
	...
	77000327 Transit Item
	77000329 Transit Item

Fig. 13

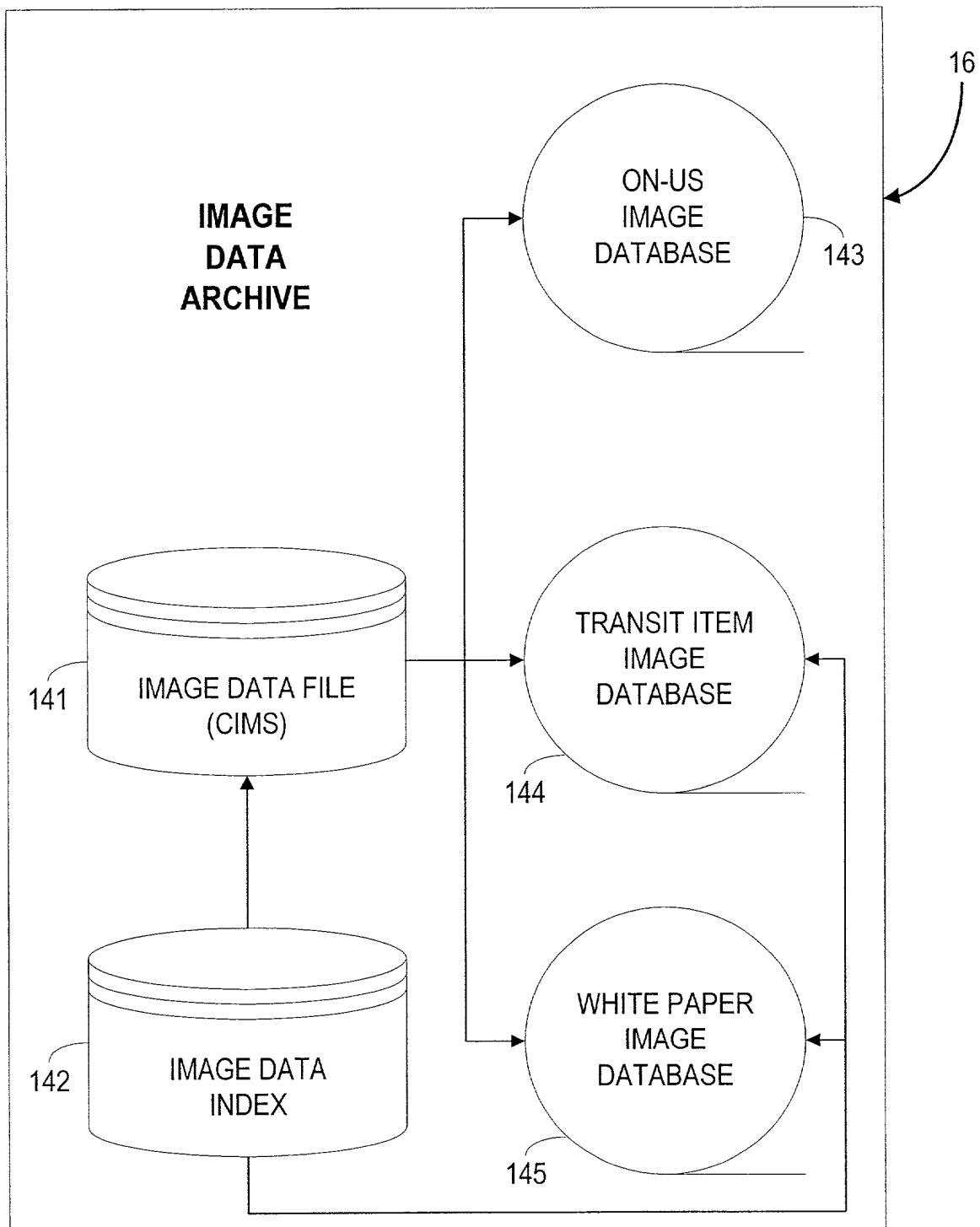


FIG.14

FIG. 15

ON-US ITEM IMAGE DATABASE	143
IMAGE DATE	151
BANK ID NUMBER	152
ACCOUNT NUMBER	153
SEQUENCE NUMBER	154
SORTER ID NUMBER	155
SORTER CYCLE	156
IMAGE DATA	157

FIG. 16

TRANSMIT ITEM IMAGE DATABASE	144
IMAGE DATE	161
SEQUENCE NUMBER	162
SORTER ID NUMBER	163
SORTER CYCLE	164
IMAGE DATA	165

FIG. 17

WHITE PAPER IMAGE DATABASE	145
IMAGE DATE	171
BANK ID NUMBER	172
ACCOUNT NUMBER	173
SEQUENCE NUMBER	174
SORTER ID NUMBER	175
SORTER CYCLE	176
IMAGE DATA	177

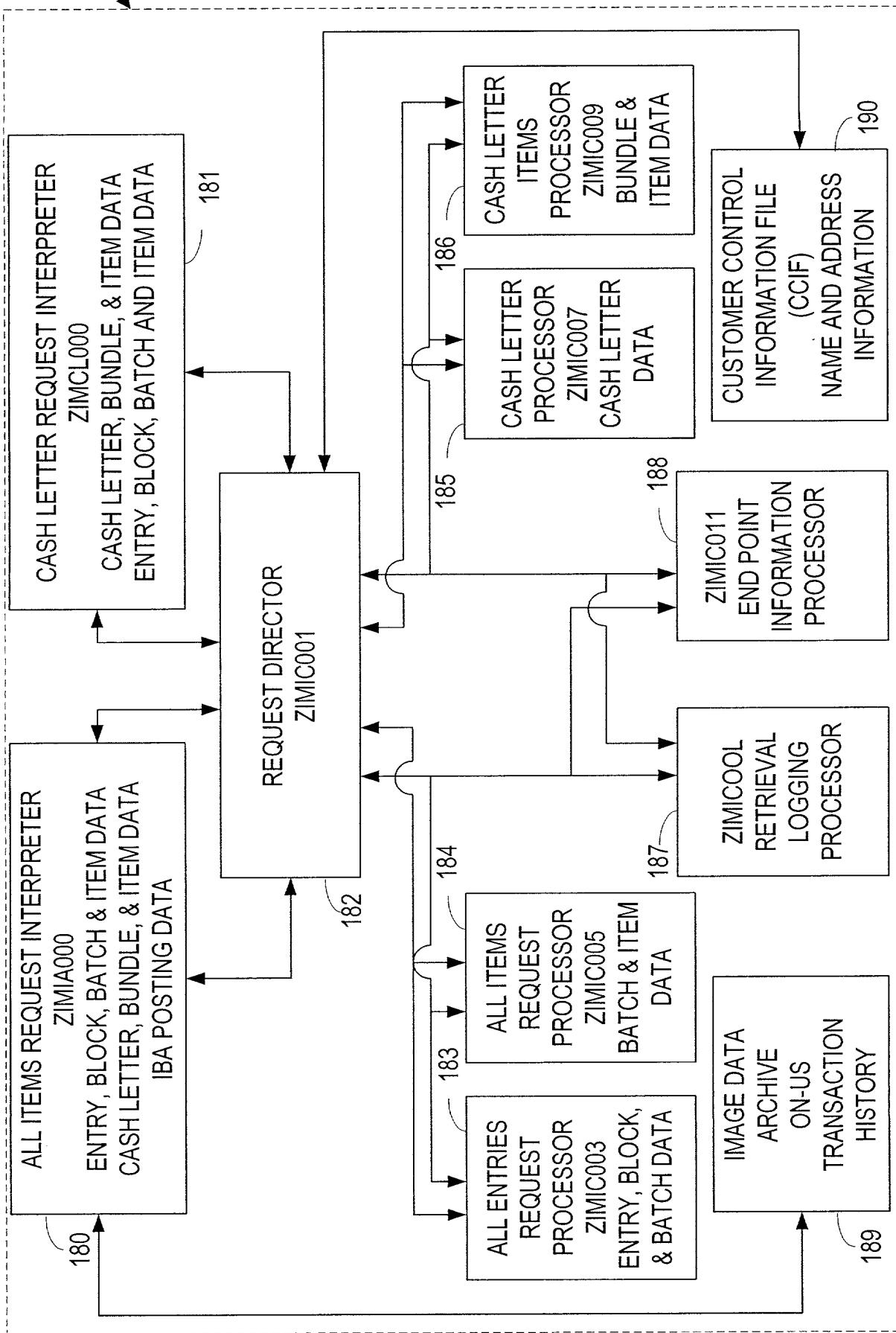


FIG. 18

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191A
191B
191C
191D
191E
191F

IMAI	Item Capture Research System Entry and Item Retrieval		
MESSAGE	ENTER SEARCH CRITERIA		
Capture Site	ATL		
Capture Date	19980102	To	19980102
Post Date	19980102	To	19980102
Entry	000001	To	999999
Sequence Number	00SS00000000		
-----Or-----			
Debit/Credit/All	X		
Item Amount	99,999,999.99		
RT	9999999999		
Account	99999999999999		
Obtain CCIF	X		
CLEAR-END PF12-HELP			

FIG. 19

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IMAI		Item Capture Research System						
Capture Site	ATL	ENTRY LISTING						
MESSAGE		SELECT ENTRY						
Capture S	Date	Entry Number	Low Sequence Number	High Sequence Number	Blocks In Entry	Batches In Entry	Items In Entry	
-	19980102	000001	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000002	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000003	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000004	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000005	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000006	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000007	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000008	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000009	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000001	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000002	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000003	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000004	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000005	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000006	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000007	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000008	00SS12345678	00SS12345678	999999	999999	999999	
-	19980102	000009	00SS12345678	00SS12345678	999999	999999	999999	
CLEAR-END PF03-RETURN		PF07-BACKWARD	PF08-FORWARD					

FIG. 20

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Item Capture Research System Block/Batch Listing						
Capture Site	ATL	String Type	99	Pass	99	Blocks In Entry
MESSAGE	SELECT BLOCK	Post Date	19980102	Batches In Entry	999999	
Entry Number	9999	Subset	999999	Items In Entry	999999	
Capture Date	19980102	Tracer Acct	9999999999999999			
Capture Cycle	99					
Tracer RT	99999999					

S Number	Block Amount	Batch Sequence Number	Batch Amount	CAS Type	Items In Batch
007600000000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
		00SS99999999	99,999,999.99		999999
007600010000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
		00SS99999999	99,999,999.99		999999
007600020000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
		00SS99999999	99,999,999.99		999999
007600030000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
		00SS99999999	99,999,999.99		999999
007600040000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
		00SS99999999	99,999,999.99		999999
007600050000	99,999,999.99	00SS12345678	99,999,999.99	9999	999999
		00SS99999999	99,999,999.99		999999
		00SS99999999	99,999,999.99		999999
		00SS99999999	99,999,999.99		999999

CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD

Block and batch amounts will be highlighted if they are not in balance with all of the respective items

FIG. 21

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IMAI		Item Capture Research System						
Capture Site	ATL	Block/Batch Detail						
MESSAGE	SELECT ITEM							
Entry Number	9999	String Type	99	Pass	99	Blocks In Entry	999999	
Capture Date	19980102	Post Date	19980102			Batches In Entry	999999	
Capture Cycle	99	Subset	999999			Items In Entry	999999	
Tracer RT	99999999	Tracer Acct	999999999999999			CAS Type	9999	
Block Number	007600000008	Block Amt	99,999,999.99			Num Items	999999	
Batch Number	007600000011	Batch Amt	99,999,999.99			Num Items	99999	
<hr/>								
Seq#	DB/ Trn		Serial					
S. Number	CR	Typ	RT	Account	Amount		Number	
-	007600000008	BK	BK	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000011	BH	BH	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000013	CR	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000014	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000015	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000016	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000017	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000018	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000099	DB	TR	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890	
-	007600000099	DB	TR	12345678	12345678901234	99,999,999.99	1234567890	
CLEAR-END PF03-RETURN		PF07-BACKWARD PF08-FORWARD						

Block and batch amounts will be highlighted if they are not in balance with all of the respective items.

Fig. 22

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IMAI		Item Capture Research System						
Capture Site	ATL	On-Us Item Detail						
MESSAGE								
Entry Number	9999	String Type	99	Pass	99	Blocks In Entry	999999	
Capture Date	19980102	Post Date	19980102			Batches In Entry	999999	
Capture Cycle	99	Subset	999999			Items In Entry	999999	
Tracer RT	99999999	Tracer Acct	999999999999999			CAS Type	9999	
Block Number	007600000008	Block Amt	99,999,999.99			Block Items	999999	
Batch Number	007600000011	Batch Amt	99,999,999.99			Batch Items	999999	
Sequ	DB/ Trn					Serial		
Number	CR	Typ	RT	Account	Amount	Number		
007600000099	DB	ON	12345678	12345678901234	99,999,999.99	1234567890		
Image Key	yyyyymmddrrsssssssscc							
PC	123456							
CPU ID	9999	CPCS Type	99	User Byte	99	Pocket	99	
Posting Account	999999999999999							
Extract Account	999999999999999							
Account Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
Credit RT	999999999							
Credit Account	999999999999999							
Credit Sequence	00SS12345678							
Credit Account Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
CLEAR-END PF03-RETURN PF11-ON-US ARCHIVE								

Block and batch amounts will be highlighted if they are not in balance with all of the respective items

FIG. 23

240

IMAI		Item Capture Research System						
Capture Site	MST	On-US Archive Item Detail						
MESSAGE								
Entry Number	9999	String Type	99	Pass	99	Blocks In Entry	999999	
Capture Date	19980102	Post Date	19980102			Batches In Entry	999999	
Capture Cycle	99	Subset	999999			Items In Entry	999999	
Tracer RT	99999999	Tracer Acct	99999999999999			CAS Type	9999	
Block Number	007600000008	Block Amt	99,999,999.99			Block Items	999999	
Batch Number	007600000011	Batch Amt	99,999,999.99			Batch Items	999999	
----- Associated Posting Data -----								
IBA Status	XXXX		Tran Type			XXXX		
Source	XXXXXXXX		Product Type			XXX		
Post Date	YYYYMMDD		Effective Date			YYYYMMDD		
Sequence	XXXXXXXXXXXXXXXXXXXX		Number Of Items			999999		
Tran Code	9999		Tran Amount			999,999,999.99		
Total Float	999,999,999.99		Day 0 Float			999,999,999.99		
Day 1 Float	999,999,999.99		Day 2 Plus Float			999,999,999.99		
Ledger Bal	999,999,999.99		Collected Balance			999,999,999.99		
Description	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
Except Code	99999 XXXXXXXXXXXXXXXXXXXXXXXXX							
To Account	999999999999999		From Account			999999999999999		
Credit Bank	999		Credit Account			999999999999999		
Credit Sequ	9999999999999							
CLEAR-END PF03-RETURN								

FIG. 24

250

IMAI		Item Capture Research System						
Capture Site	ATL	Transit Item Detail						
MESSAGE								
Entry Number	9999	String Type	99	Pass	99	Blocks In Entry	999999	
Capture Date	19980102	Post Date	19980102			Batches In Entry	999999	
Capture Cycle	99	Subset	999999			Items In Entry	999999	
Tracer RT	99999999	Tracer Acct	99999999999999			CAS Type	9999	
Block Number	007600000008	Block Amt	99,999,999.99			Block Items	999999	
Batch Number	007600000011	Batch Amt	99,999,999.99			Batch Items	999999	
Sequence Number	DB/ Trn CR Typ	RT	Account	Amount		Serial Number		
007600000019	DB TRN	12345678	12345678901234	99,999,999.99		1234567890		
Image Key	yyyymmddrrsssssssscc							
PC	123456							
CPU ID	9999	CPCS Type	99	User Byte	99	Pocket	99	
End Point	123456789	XXXXXXXXXXXXXXXXXXXXXXXXXXXX						
Bundle Date	yyyymmdd	Bundle Time	hhmmss	Bundle Amt	999,999,999.99			
Credit RT	99999999							
Credit Account	999999999999							
Credit Sequence	00SS12345678							
Credit Account Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
CLEAR-END PF03-RETURN PF11-CASH LETTER								

F18. 25

260

IMAI		Item Capture Research System				
Capture Site	ATL	Transit Item Cash Letter Detail				
MESSAGE						
End Point	999999999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
C.L. Date	19980102	C L. Time	HHMMSS	C.L. Amt	9,999,999,999,999.99	
C.L. Bundles	999999	C L. ABA	999999999	Due From	999999999999999	
C.L. Items	999999	Avail Code	9	Avail Date	19980102	
Schedule	999	System Date	19980102	Entry	9999	
Bundle Date	19980102	Bundle Time	HHMMSS	Bundle Amt	999,999,999.99	
Pass Pocket	99-99-99-99	Pass	99	String	9	Subset
					999999	
Item Data		Before Item	Item	After Item		
Sequence Number		007600000019	007600000019	007600000019		
RT		123456789	123456789	123456789		
Account		999999999999999	999999999999999	999999999999999		
Amount		999,999,999.99	999,999,999.99	999,999,999.99		
Serial		999999999	999999999	999999999		
PC		99	99	99		
Sequence In Bundle		999999999999	999999999999	999999999999		
Return		99	99	99		
CLEAR-END PF03-RETURN						

FIG. 26

270

IMAI		Item Capture Research System					
Capture Site	ATL	Specific Item Search Listing					
MESSAGE		SELECT ITEM					
Sequence	DB/ Trn						Serial
S	Number	CR	Typ	RT	Account	Amount	Number
-	007600000008	CR	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000011	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000013	CR	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000014	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	108600000015	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000016	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000017	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000018	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000019	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000021	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
-	007600000022	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000023	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000024	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
-	007600000025	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000026	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000027	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000028	DB	ON	12345678	12345678901234	99,999,999.99	1234567890
-	007600000029	DB	TR	12345678	12345678901234	99,999,999.99	1234567890
CLEAR-END PF03-RETURN		PF07-BACKWARD PF08-FORWARD					

FIG. 27

280

IMAI Capture Site ATL MESSAGE SELECT ITEM		Item Capture Research System Specific Item Search Listing				
S	Sequence	Number	Item RT	Item Account	Dep Account	Dep Account Name
-	007600000008	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000011	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000013	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000014	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	108600000015	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000016	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000017	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000018	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000021	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000022	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000023	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000024	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000025	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000026	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000027	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000028	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
-	007600000029	12345678	12345678901234	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX
CLEAR-END PF03-RETURN		PF07-BACKWARD	PF08-FORWARD			

FIG. 28

290

IMCL		Item Capture Research System		
Capture Site	ATL	Cash Letter Retrieval		
Date	19980102	To	19980102	
End Point	000000000			
C.L /Bundle Flag	X			
C.L./BundleAmt	0,000,000,000.00	To	9,999,999,999,999.99	
Item Amt	00000000.00	Before Amt	00000000.00	After Amt 00000000.00

Clear-End

290A
290B
290C
290D
290E

29

300

FIG. 3D

310

FIG. 31

320

IMCL		Item Capture Research System		
Capture Site		Bundle Listing		
MESSAGE		ATL		
Select Bundle				
S	Bundle Date	Bundle Time	Bundle Amount	Number Of Items In Bundle
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
-	19980102	HHMMSS	999,999,999.99	999,999,999
CLEAR-END PF03 RETURN		PF07-BACKWARD PF08-FORWARD		

FIG. 32

330

IMCL Item Capture Research System
Capture Site ATL **Cash Letter Bundle Detail**

MESSAGE Select Item

End Point 999999999 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

C.L. Date 19980102 **C.L. Time** HHMMSS **C.L. Amt** 9,999,999,999,999.99
C.L. Bundles 999999 **C.L. ABA** 999999999 **Due From** 999999999999999
CCIF Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
C.L. Items 999999 **Avail Code** 9 **Avail Date** 19980102
Schedule 999 **System Date** 19980102 **Entry** 9999
Bundle Date 19980102 **Bundle Time** HHMMSS **Bundle Amt** 999,999,999.99
Pass Pocket 99-99-99-99 **Pass** 99 **String** 9 **Subset** 999999
Item Amt 9999999.99 **Before Amt** 9999999.99 **After Amt** 9999999.99

Sequence

<u>S. Number</u>	<u>RT</u>	<u>Account</u>	<u>Amount</u>	<u>Serial Number</u>	<u>Sequ In</u>
- 007700000227	12345678	12345678901234	999,999,999.99	1234567890	123456
- 007700000228	12345678	12345678901234	999,999,999.99	1234567890	123456
- 007700000229	12345678	12345678901234	999,999,999.99	1234567890	123456
- 007700000230	12345678	12345678901234	999,999,999.99	1234567890	123456
- 007700000231	12345678	12345678901234	999,999,999.99	1234567890	123456
- 007700000232	12345678	12345678901234	999,999,999.99	1234567890	123456
- 007700000233	12345678	12345678901234	999,999,999.99	1234567890	123456

CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD PF09-AMT SEARCH

FIG. 33

340

Item Capture Research System Cash Letter Bundle Detail						
Capture Site	ATL					
MESSAGE	Select Item					
End Point	999999999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
C.L. Date	19980102	C L. Time	HHMMSS	C L. Amt	9,999,999,999,999.99	
C.L. Bundles	999999	C L. ABA	999999999	Due From	99999999999999	
CCIF Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
C.L. Items	999999	Avail Code	9	Avail Date	19980102	
Schedule	999	System Date	19980102	Entry	9999	
Bundle Date	19980102	Bundle Time	HHMMSS	Bundle Amt	999,999,999.99	
Pass Pocket	99-99-99-99	Pass	99	String	9 Subset	
<hr/>						
Item Sequence Number	007600000019					
Item Type	TRN					
Item RT	123456789					
Item Account	99999999999999					
Item Amount	999,999,999.99					
Item Serial	99999999					
Item PC	99					
Item Sequence In Bundle	999999999999					
Return	99					
<hr/>						
CLEAR-END PF03-RETURN PF11-ALL ITEMS						

FIG. 34

350

Item Capture Research System Cash Letter All Item Detail						
Capture Site	ATL					
MESSAGE	Select Item					
End Point	999999999	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
C.L. Date	19980102	C.L. Time	HHMMSS	C.L. Amt	9,999,999,999,999.99	
C.L. Bundles	999999	C.L. ABA	999999999	Due From	999999999999999	
CCIF Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
C.L. Items	999999	Avail Code	9	Avail Date	19980102	
Schedule	999	System Date	19980102	Entry	9999	
Bundle Date	19980102	Bundle Time	HHMMSS	Bundle Amt	999,999,999.99	
Pass Pocket	99-99-99-99	Pass	99	String	9	Subset
Item Amt	9999999.99	Before Amt	9999999.99	After Amt	9999999.99	
Entry Number	9999	String Type	99	Pass	99	Blocks In Entry
Capture Date	19980102	Post Date	19980102			Batches In Entry
Capture Cycle	99	Subset	999999			Items In Entry
Tracer RT	99999999	Tracer Acct	99999999999999			CAS Type
Block Number	007600000008	Block Amt	99,999,999.99			Block Items
Batch Number	007600000011	Batch Amt	99,999,999.99			Batch Items
PC	123456	CPU ID	9999			CPCS Type
User Byte	99	Pocket	99			
Credit RT	99999999	Credit Acct	99999999999999			
Credit Sequ	99SS12345678	Acct Name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
CLEAR-END PF03-RETURN						

FIG. 35